Texas Higher Education Coordinating Board
Perkins Data Resources for 2022-2023
List of Programs Leading to Employment in Nontraditional Fields

Programs Leading to Employment in Nontraditional Fields for Males [1]	
CIP Code - Program Title	**Career Cluster**
010504-Dog/Pet/Animal Grooming.	1-Agriculture, Food & Natural Resources
010509-Farrier Science.	1-Agriculture, Food & Natural Resources
018201-Veterinary Administrative Services, General.	1-Agriculture, Food & Natural Resources
018203-Veterinary Reception/Receptionist.	1-Agriculture, Food & Natural Resources
018204-Veterinary Administrative/Executive Assistant and Veterinary Secretary.	1-Agriculture, Food & Natural Resources
018301-Veterinary/Animal Health Technology/Technician and Veterinary Assistant.	1-Agriculture, Food & Natural Resources
018399-Veterinary/Animal Health Technologies/Technicians, Other.	1-Agriculture, Food & Natural Resources
110602-Word Processing.	4-Business Management & Administration
120401-Cosmetology/Cosmetologist, General.	10-Human Services
120404-Electrolysis/Electrology and Electrolysis Technician.	10-Human Services
120406-Make-Up Artist/Specialist.	3-Arts, Audio/Video Technology & Communications
120407-Hair Styling/Stylist and Hair Design.	10-Human Services
120408-Facial Treatment Specialist/Facialist.	10-Human Services
120409-Aesthetician/Esthetician and Skin Care Specialist.	10-Human Services
120410-Nail Technician/Specialist and Manicurist.	10-Human Services
120411-Permanent Cosmetics/Makeup and Tattooing.	10-Human Services
120412-Salon/Beauty Salon Management/Manager.	10-Human Services
120413-Cosmetology, Barber/Styling, and Nail Instructor.	10-Human Services
120414-Master Aesthetician/Esthetician.	9-Hospitality & Tourism
120499-Cosmetology and Related Personal Grooming Arts, Other.	10-Human Services
130101-Education, General.	5-Education & Training
130201-Bilingual and Multilingual Education.	5-Education & Training
130501-Educational/Instructional Technology.	5-Education & Training
131001-Special Education and Teaching, General.	5-Education & Training
131003-Education/Teaching of Individuals with Hearing Impairments Including Deafness.	5-Education & Training
131004-Education/Teaching of the Gifted and Talented.	5-Education & Training
131005-Education/Teaching of Individuals with Emotional Disturbances.	5-Education & Training
131006-Education/Teaching of Individuals with Mental Retardation.	5-Education & Training
131007-Education/Teaching of Individuals with Multiple Disabilities.	5-Education & Training
131008-Education/Teaching of Individuals with Orthopedic and Other Physical Health Impairments.	5-Education & Training
131009-Education/Teaching of Individuals with Vision Impairments Including Blindness.	5-Education & Training
131011-Education/Teaching of Individuals with Specific Learning Disabilities.	5-Education & Training
131012-Education/Teaching of Individuals with Speech or Language Impairments.	5-Education & Training
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Males [1]	
CIP Code - Program Title	**Career Cluster**
131013-Education/Teaching of Individuals with Autism.	5-Education & Training
131014-Education/Teaching of Individuals Who are Developmentally Delayed.	5-Education & Training
131015-Education/Teaching of Individuals in Early Childhood Special Education Programs.	5-Education & Training
131016-Education/Teaching of Individuals with Traumatic Brain Injuries.	5-Education & Training
131017-Education/Teaching of Individuals in Elementary Special Education Programs.	5-Education & Training
131018-Education/Teaching of Individuals in Junior High/Middle School Special Education Programs.	5-Education & Training
131019-Education/Teaching of Individuals in Secondary Special Education Programs.	5-Education & Training
131099-Special Education and Teaching, Other.	5-Education & Training
131101-Counselor Education/School Counseling and Guidance Services.	5-Education & Training
131102-College Student Counseling and Personnel Services.	5-Education & Training
131199-Student Counseling and Personnel Services, Other.	5-Education & Training
131202-Elementary Education and Teaching.	5-Education & Training
131203-Junior High/Intermediate/Middle School Education and Teaching.	5-Education & Training
131206-Teacher Education, Multiple Levels.	5-Education & Training
131207-Montessori Teacher Education.	5-Education & Training
131208-Waldorf/Steiner Teacher Education.	5-Education & Training
131209-Kindergarten/Preschool Education and Teaching.	5-Education & Training
131210-Early Childhood Education and Teaching.	5-Education & Training
131211-Online Educator/Online Teaching.	5-Education & Training
131212-International Teaching and Learning.	5-Education & Training
131213-Science, Technology, Engineering, and Mathematics (STEM) Educational Methods.	5-Education & Training
131301-Agricultural Teacher Education.	5-Education & Training
131302-Art Teacher Education.	5-Education & Training
131303-Business Teacher Education.	5-Education & Training
131305-English/Language Arts Teacher Education.	5-Education & Training
131306-Foreign Language Teacher Education.	5-Education & Training
131307-Health Teacher Education.	5-Education & Training
131308-Family and Consumer Sciences/Home Economics Teacher Education.	5-Education & Training
131309-Technology Teacher Education/Industrial Arts Teacher Education.	5-Education & Training
131310-Sales and Marketing Operations/Marketing and Distribution Teacher Education.	5-Education & Training
131311-Mathematics Teacher Education.	5-Education & Training
131312-Music Teacher Education.	5-Education & Training
131314-Physical Education Teaching and Coaching.	5-Education & Training
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Males [1]	
CIP Code - Program Title	**Career Cluster**
131315-Reading Teacher Education.	5-Education & Training
131316-Science Teacher Education/General Science Teacher Education.	5-Education & Training
131317-Social Science Teacher Education.	5-Education & Training
131318-Social Studies Teacher Education.	5-Education & Training
131319-Technical Teacher Education.	5-Education & Training
131320-Trade and Industrial Teacher Education.	5-Education & Training
131321-Computer Teacher Education.	5-Education & Training
131322-Biology Teacher Education.	5-Education & Training
131323-Chemistry Teacher Education.	5-Education & Training
131324-Drama and Dance Teacher Education.	5-Education & Training
131325-French Language Teacher Education.	5-Education & Training
131326-German Language Teacher Education.	5-Education & Training
131327-Health Occupations Teacher Education.	5-Education & Training
131328-History Teacher Education.	5-Education & Training
131329-Physics Teacher Education.	5-Education & Training
131330-Spanish Language Teacher Education.	5-Education & Training
131331-Speech Teacher Education.	5-Education & Training
131332-Geography Teacher Education.	5-Education & Training
131333-Latin Teacher Education.	5-Education & Training
131334-School Librarian/School Library Media Specialist.	5-Education & Training
131337-Earth Science Teacher Education.	5-Education & Training
131338-Environmental Education.	5-Education & Training
131339-Communication Arts and Literature Teacher Education.	5-Education & Training
131401-Teaching English as a Second or Foreign Language/ESL Language Instructor.	5-Education & Training
131402-Teaching French as a Second or Foreign Language.	5-Education & Training
131499-Teaching English or French as a Second or Foreign Language, Other.	5-Education & Training
131501-Teacher Assistant/Aide.	5-Education & Training
131502-Adult Literacy Tutor/Instructor.	5-Education & Training
131599-Teaching Assistants/Aides, Other.	5-Education & Training
190501-Foods, Nutrition, and Wellness Studies, General.	10-Human Services
190504-Human Nutrition.	10-Human Services
190505-Foodservice.	10-Human Services
190505-Foodservice Systems Administration/Management.	9-Hospitality & Tourism
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Males [1]	
CIP Code - Program Title	**Career Cluster**
190599-Foods, Nutrition, and Related Services, Other.	10-Human Services
190604-Facilities Planning and Management.	10-Human Services
190702-Adult Development and Aging.	10-Human Services
190706-Child Development.	10-Human Services
190708-Child Care and Support Services Management.	10-Human Services
190709-Child Care Provider/Assistant.	10-Human Services
190710-Developmental Services Worker.	10-Human Services
190711-Early Childhood and Family Studies,	10-Human Services
220000-Legal Studies, General.	12-Law, Public Safety, Corrections & Security
220301-Legal Administrative Assistant/Secretary.	12-Law, Public Safety, Corrections & Security
220302-Legal Assistant/Paralegal.	12-Law, Public Safety, Corrections & Security
301701-Behavioral Sciences.	15-Science, Technology, Engineering & Mathematics
301901-Nutrition Sciences.	15-Science, Technology, Engineering & Mathematics
303401-Anthrozoology.	15-Science, Technology, Engineering & Mathematics
305301-Thanatology.	15-Science, Technology, Engineering & Mathematics
420101-Psychology, General.	10-Human Services
422701-Cognitive Psychology and Psycholinguistics.	10-Human Services
422702-Comparative Psychology.	10-Human Services
422703-Developmental and Child Psychology.	10-Human Services
422704-Experimental Psychology.	10-Human Services
422705-Personality Psychology.	10-Human Services
422706-Physiological Psychology/Psychobiology.	10-Human Services
422707-Social Psychology.	10-Human Services
422708-Psychometrics and Quantitative Psychology.	10-Human Services
422709-Psychopharmacology.	10-Human Services
422710-Developmental and Adolescent Psychology.	10-Human Services
422799-Research and Experimental Psychology, Other.	10-Human Services
422801-Clinical Psychology.	10-Human Services
422802-Community Psychology.	10-Human Services
422803-Counseling Psychology.	10-Human Services
422804-Industrial and Organizational Psychology.	10-Human Services
422805-School Psychology.	10-Human Services
422806-Educational Psychology.	10-Human Services
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Males [1]	
CIP Code - Program Title	**Career Cluster**
422807-Clinical Child Psychology.	10-Human Services
422808-Environmental Psychology.	10-Human Services
422809-Geropsychology.	10-Human Services
422810-Health/Medical Psychology.	10-Human Services
422811-Family Psychology.	10-Human Services
422812-Forensic Psychology.	10-Human Services
422813-Applied Psychology.	10-Human Services
422814-Applied Behavior Analysis.	10-Human Services
422815-Performance and Sport Psychology.	10-Human Services
422816-Somatic Psychology.	10-Human Services
422817-Transpersonal/Spiritual Psychology.	10-Human Services
422899-Clinical, Counseling and Applied Psychology, Other.	10-Human Services
429999-Psychology, Other.	10-Human Services
430110-Juvenile Corrections.	12-Law, Public Safety, Corrections & Security
440701-Social Work.	10-Human Services
440702-Youth Services/Administration.	10-Human Services
440703-Forensic Social Work.	10-Human Services
440799-Social Work, Other.	10-Human Services
450199-Social Sciences, Other.	15-Science, Technology, Engineering & Mathematics
450401-Criminology.	15-Science, Technology, Engineering & Mathematics
490106-Airline Flight Attendant.	16-Transportation, Distribution & Logistics
500301-Dance, General.	3-Arts, Audio/Video Technology & Communications
500302-Ballet.	3-Arts, Audio/Video Technology & Communications
500399-Dance, Other.	3-Arts, Audio/Video Technology & Communications
500509-Musical Theatre.	3-Arts, Audio/Video Technology & Communications
500512-Theatre and Dance.	3-Arts, Audio/Video Technology & Communications
510201-Communication Sciences and Disorders, General.	8-Health Science
510202-Audiology/Audiologist.	8-Health Science
510203-Speech-Language Pathology/Pathologist.	8-Health Science
510204-Audiology/Audiologist and Speech-Language Pathology/Pathologist.	8-Health Science
510299-Communication Disorders Sciences and Services, Other.	8-Health Science
510601-Dental Assisting/Assistant.	8-Health Science
510602-Dental Hygiene/Hygienist.	8-Health Science
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Males [1]	
CIP Code - Program Title	**Career Cluster**
510707-Health Information/Medical Records Technology/Technician.	4-Business Management & Administration
510710-Medical Office Assistant/Specialist.	4-Business Management & Administration
510711-Medical/Health Management and Clinical Assistant/Specialist.	4-Business Management & Administration
510712-Medical Reception/Receptionist.	4-Business Management & Administration
510713-Medical Insurance Coding Specialist/Coder.	4-Business Management & Administration
510714-Medical Insurance Specialist/Medical Biller.	4-Business Management & Administration
510716-Medical Administrative/Executive Assistant and Medical Secretary.	4-Business Management & Administration
510721-Disease Registry Data Management.	8-Health Science
510723-Healthcare Information Privacy Assurance and Security.	8-Health Science
510801-Medical/Clinical Assistant.	8-Health Science
510803-Occupational Therapist Assistant.	8-Health Science
510805-Pharmacy Technician/Assistant.	8-Health Science
510809-Anesthesiologist Assistant.	8-Health Science
510811-Pathology/Pathologist Assistant.	8-Health Science
510812-Respiratory Therapy Technician/Assistant.	8-Health Science
510813-Chiropractic Assistant/Technician.	8-Health Science
510909-Surgical Technology/Technologist.	8-Health Science
511009-Phlebotomy Technician/Phlebotomist.	8-Health Science
511501-Substance Abuse/Addiction Counseling.	10-Human Services
511502-Psychiatric/Mental Health Services Technician.	8-Health Science
511503-Clinical/Medical Social Work.	10-Human Services
511504-Community Health Services/Liaison/Counseling.	10-Human Services
511505-Marriage and Family Therapy/Counseling.	10-Human Services
511506-Clinical Pastoral Counseling/Patient Counseling.	10-Human Services
511507-Psychoanalysis and Psychotherapy.	8-Health Science
511508-Mental Health Counseling/Counselor.	10-Human Services
511510-Infant/Toddler Mental Health Services.	8-Health Science
511511-Medical Family Theraphy/Therapist.	8-Health Science
511512-Hospice and Palliative Care.	8-Health Science
511513-Trauma Counseling.	8-Health Science
511802-Optometric Technician/Assistant.	8-Health Science
511803-Ophthalmic Technician/Technologist.	8-Health Science
511804-Orthoptics/Orthoptist.	8-Health Science
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Males [1]	
CIP Code - Program Title	**Career Cluster**
512300-Rehabilitation and Therapeutic Professions, General.	8-Health Science
512301-Art Therapy/Therapist.	8-Health Science
512302-Dance Therapy/Therapist.	8-Health Science
512305-Music Therapy/Therapist.	8-Health Science
512306-Occupational Therapy/Therapist.	8-Health Science
512309-Therapeutic Recreation/Recreational Therapy.	8-Health Science
512310-Vocational Rehabilitation Counseling/Counselor.	10-Human Services
512312-Assistive/Augmentative Technology and Rehabilitation Engineering.	8-Health Science
512313-Animal-Assisted Therapy.	8-Health Science
512314-Rehabilitation Science.	8-Health Science
512315-Drama Therapy/Therapist.	8-Health Science
512316-Horticulture Therapy/Therapist.	8-Health Science
512317-Play Therapy/Therapist.	8-Health Science
512399-Rehabilitation and Therapeutic Professions, Other.	8-Health Science
512601-Health Aide.	8-Health Science
512602-Home Health Aide/Home Attendant.	8-Health Science
512604-Rehabilitation Aide.	8-Health Science
513101-Dietetics/Dietitian.	8-Health Science
513102-Clinical Nutrition/Nutritionist.	8-Health Science
513103-Dietetic Technician.	8-Health Science
513104-Dietitian Assistant.	8-Health Science
513199-Dietetics and Clinical Nutrition Services, Other.	8-Health Science
513501-Massage Therapy/Therapeutic Massage.	8-Health Science
513502-Asian Bodywork Therapy.	8-Health Science
513503-Somatic Bodywork.	8-Health Science
513599-Somatic Bodywork and Related Therapeutic Services, Other.	8-Health Science
513601-Movement Therapy and Movement Education.	5-Education & Training
513801-Registered Nursing/Registered Nurse.	8-Health Science
513802-Nursing Administration.	8-Health Science
513803-Adult Health Nurse/Nursing.	8-Health Science
513805-Family Practice Nurse/Nursing.	8-Health Science
513806-Maternal/Child Health and Neonatal Nurse/Nursing.	8-Health Science
513807-Nurse Midwife/Nursing Midwifery.	8-Health Science
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Males [1]	
CIP Code - Program Title	**Career Cluster**
513808-Nursing Science.	8-Health Science
513809-Pediatric Nurse/Nursing.	8-Health Science
513810-Psychiatric/Mental Health Nurse/Nursing.	8-Health Science
513811-Public Health/Community Nurse/Nursing.	8-Health Science
513812-Perioperative/Operating Room and Surgical Nurse/Nursing.	8-Health Science
513813-Clinical Nurse Specialist.	8-Health Science
513814-Critical Care Nursing.	8-Health Science
513815-Occupational and Environmental Health Nursing.	8-Health Science
513816-Emergency Room/Trauma Nursing.	8-Health Science
513818-Nursing Practice.	8-Health Science
513819-Palliative Care Nursing.	8-Health Science
513820-Clinical Nurse Leader.	8-Health Science
513821-Geriatric Nurse/Nursing.	8-Health Science
513822-Women's Health Nurse/Nursing.	8-Health Science
513824-Forensic Nursing.	8-Health Science
513899-Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing, Other.	8-Health Science
513901-Licensed Practical/Vocational Nurse Training.	8-Health Science
513902-Nursing Assistant/Aide and Patient Care Assistant/Aide.	8-Health Science
513999-Practical Nursing, Vocational Nursing and Nursing Assistants, Other.	8-Health Science
520302-Accounting Technology/Technician and Bookkeeping.	6-Finance
520401-Administrative Assistant and Secretarial Science, General.	4-Business Management & Administration
520402-Executive Assistant/Executive Secretary.	4-Business Management & Administration
520406-Receptionist.	4-Business Management & Administration
520408-General Office Occupations and Clerical Services.	4-Business Management & Administration
520501-Business/Corporate Communications.	3-Arts, Audio/Video Technology & Communications
520803-Banking and Financial Support Services.	6-Finance
520907-Meeting and Event Planning.	4-Business Management & Administration
521001-Human Resources Management/Personnel Administration, General.	4-Business Management & Administration
521006-Executive/Career Coaching.	4-Business Management & Administration
521099-Human Resources Management and Services, Other.	4-Business Management & Administration
521701-Insurance.	6-Finance
521905-Tourism and Travel Services Marketing Operations.	14-Marketing
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
010101-Agricultural Business and Management, General.	1-Agriculture, Food & Natural Resources
010102-Agribusiness/Agricultural Business Operations.	1-Agriculture, Food & Natural Resources
010104-Farm/Farm and Ranch Management.	1-Agriculture, Food & Natural Resources
010105-Agricultural/Farm Supplies Retailing and Wholesaling.	1-Agriculture, Food & Natural Resources
010199-Agricultural Business and Management, Other.	1-Agriculture, Food & Natural Resources
010201-Agricultural Mechanization, General.	1-Agriculture, Food & Natural Resources
010204-Agricultural Power Machinery Operation.	1-Agriculture, Food & Natural Resources
010205-Agricultural Mechanics and Equipment/Machine Technology.	1-Agriculture, Food & Natural Resources
010207-Irrigation Management Technology/Technician.	1-Agriculture, Food & Natural Resources
010299-Agricultural Mechanization, Other.	1-Agriculture, Food & Natural Resources
010301-Agricultural Production Operations, General.	1-Agriculture, Food & Natural Resources
010302-Animal/Livestock Husbandry and Production.	1-Agriculture, Food & Natural Resources
010303-Aquaculture.	1-Agriculture, Food & Natural Resources
010304-Crop Production.	1-Agriculture, Food & Natural Resources
010306-Dairy Husbandry and Production.	1-Agriculture, Food & Natural Resources
010307-Horse Husbandry/Equine Science and Management.	1-Agriculture, Food & Natural Resources
010308-Agroecology and Sustainable Agriculture.	1-Agriculture, Food & Natural Resources
010310-Apiculture.	1-Agriculture, Food & Natural Resources
010399-Agricultural Production Operations, Other.	1-Agriculture, Food & Natural Resources
010401-Agricultural and Food Products Processing.	1-Agriculture, Food & Natural Resources
010601-Applied Horticulture/Horticulture Operations, General.	1-Agriculture, Food & Natural Resources
010603-Ornamental Horticulture.	1-Agriculture, Food & Natural Resources
010604-Greenhouse Operations and Management.	1-Agriculture, Food & Natural Resources
010605-Landscaping and Groundskeeping.	1-Agriculture, Food & Natural Resources
010606-Plant Nursery Operations and Management.	1-Agriculture, Food & Natural Resources
010607-Turf and Turfgrass Management.	1-Agriculture, Food & Natural Resources
010609-Public Horticulture.	1-Agriculture, Food & Natural Resources
010610-Urban and Community Horticulture.	1-Agriculture, Food & Natural Resources
010802-Agricultural Communication/Journalism.	3-Arts, Audio/Video Technology & Communications
010901-Animal Sciences, General.	1-Agriculture, Food & Natural Resources
010902-Agricultural Animal Breeding.	1-Agriculture, Food & Natural Resources
010903-Animal Health.	1-Agriculture, Food & Natural Resources
010904-Animal Nutrition.	1-Agriculture, Food & Natural Resources
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
010905-Dairy Science.	1-Agriculture, Food & Natural Resources
010906-Livestock Management.	1-Agriculture, Food & Natural Resources
010907-Poultry Science.	1-Agriculture, Food & Natural Resources
010999-Animal Sciences, Other.	1-Agriculture, Food & Natural Resources
011003-Brewing Science.	1-Agriculture, Food & Natural Resources
011004-Viticulture and Enology.	1-Agriculture, Food & Natural Resources
011005-Zymology/Fermentation Science.	1-Agriculture, Food & Natural Resources
011101-Plant Sciences, General.	1-Agriculture, Food & Natural Resources
011102-Agronomy and Crop Science.	1-Agriculture, Food & Natural Resources
011103-Horticultural Science.	1-Agriculture, Food & Natural Resources
011105-Plant Protection and Integrated Pest Management.	1-Agriculture, Food & Natural Resources
011106-Range Science and Management.	1-Agriculture, Food & Natural Resources
011301-Agricultural Production Operations, General.	1-Agriculture, Food & Natural Resources
030208-Natural Resources Law Enforcement and Protective Services.	1-Agriculture, Food & Natural Resources
030301-Fishing and Fisheries Sciences and Management.	1-Agriculture, Food & Natural Resources
030501-Forestry, General.	1-Agriculture, Food & Natural Resources
030510-Forest Resources Production and Management.	1-Agriculture, Food & Natural Resources
030511-Forest Technology/Technician.	1-Agriculture, Food & Natural Resources
030599-Forestry, Other.	1-Agriculture, Food & Natural Resources
040201-Architecture.	2-Architecture & Construction
040202-Architectural Design.	2-Architecture & Construction
040401-Environmental Design/Architecture.	2-Architecture & Construction
040402-Healthcare Environment Design/Architecture.	2-Architecture & Construction
040501-Interior Architecture.	2-Architecture & Construction
040601-Landscape Architecture.	2-Architecture & Construction
040901-Architectural Technology/Technician.	2-Architecture & Construction
040902-Architectural and Building Sciences/Technology.	2-Architecture & Construction
040999-Architectural Sciences and Technology, Other.	2-Architecture & Construction
090404-Photojournalism.	3-Arts, Audio/Video Technology & Communications
090701-Radio and Television.	3-Arts, Audio/Video Technology & Communications
100105-Communications Technology/Technician.	3-Arts, Audio/Video Technology & Communications
100201-Photographic and Film/Video Technology/Technician and Assistant.	3-Arts, Audio/Video Technology & Communications
100202-Radio and Television Broadcasting Technology/Technician.	3-Arts, Audio/Video Technology & Communications
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
100203-Recording Arts Technology/Technician.	3-Arts, Audio/Video Technology & Communications
100299-Audiovisual Communications Technologies/Technicians, Other.	3-Arts, Audio/Video Technology & Communications
100302-Printing Management.	3-Arts, Audio/Video Technology & Communications
100305-Graphic and Printing Equipment Operator, General Production.	3-Arts, Audio/Video Technology & Communications
100307-Printing Press Operator.	3-Arts, Audio/Video Technology & Communications
100399-Graphic Communications, Other.	3-Arts, Audio/Video Technology & Communications
110101-Computer and Information Sciences, General.	11-Information Technology
110102-Artificial Intelligence.	11-Information Technology
110103-Information Technology.	11-Information Technology
110104-Informatics.	11-Information Technology
110201-Computer Programming/Programmer, General.	11-Information Technology
110202-Computer Programming, Specific Applications.	11-Information Technology
110203-Computer Programming, Vendor/Product Certification.	11-Information Technology
110204-Computer Game Programming.	11-Information Technology
110205-Computer Programming, Specific Platforms.	11-Information Technology
110299-Computer Programming, Other.	11-Information Technology
110301-Data Processing and Data Processing Technology/Technician.	11-Information Technology
110401-Information Science/Studies.	11-Information Technology
110501-Computer Systems Analysis/Analyst.	11-Information Technology
110701-Computer Science.	11-Information Technology
110804-Modeling, Virtual Environments and Simulation.	11-Information Technology
110901-Computer Systems Networking and Telecommunications.	11-Information Technology
110902-Cloud Computing.	11-Information Technology
111001-Network and System Administration/Administrator.	11-Information Technology
111002-System, Networking, and LAN/WAN Management/Manager.	11-Information Technology
111003-Computer and Information Systems Security/Information Assurance.	11-Information Technology
120303-Mortuary Science and Embalming/Embalmer.	10-Human Services
120399-Funeral Service and Mortuary Science, Other.	10-Human Services
120402-Barbering/Barber.	10-Human Services
120500-Cooking and Related Culinary Arts, General.	9-Hospitality & Tourism
120501-Baking and Pastry Arts/Baker/Pastry Chef.	9-Hospitality & Tourism
120503-Culinary Arts/Chef Training.	9-Hospitality & Tourism
120504-Restaurant, Culinary, and Catering Management/Manager.	9-Hospitality & Tourism
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
120509-Culinary Science/Culinology.	9-Hospitality & Tourism
120601-Casino Operations and Services, General.	9-Hospitality & Tourism
129999-Personal and Culinary Services, Other.	9-Hospitality & Tourism
140101-Engineering, General.	15-Science, Technology, Engineering & Mathematics
140103-Applied Engineering.	15-Science, Technology, Engineering & Mathematics
140201-Aerospace, Aeronautical and Astronautical/Space Engineering.	15-Science, Technology, Engineering & Mathematics
140202-Astronautical Engineering.	15-Science, Technology, Engineering & Mathematics
140299-Aerospace, Aeronautical, and Astronautical/Space Engineering, Other.	15-Science, Technology, Engineering & Mathematics
140301-Agricultural Engineering.	15-Science, Technology, Engineering & Mathematics
140401-Architectural Engineering.	15-Science, Technology, Engineering & Mathematics
140501-Bioengineering and Biomedical Engineering.	15-Science, Technology, Engineering & Mathematics
140601-Ceramic Sciences and Engineering.	15-Science, Technology, Engineering & Mathematics
140701-Chemical Engineering.	15-Science, Technology, Engineering & Mathematics
140702-Chemical and Biomolecular Engineering.	15-Science, Technology, Engineering & Mathematics
140799-Chemical Engineering, Other.	15-Science, Technology, Engineering & Mathematics
140801-Civil Engineering, General.	15-Science, Technology, Engineering & Mathematics
140802-Geotechnical and Geoenvironmental Engineering.	15-Science, Technology, Engineering & Mathematics
140803-Structural Engineering.	15-Science, Technology, Engineering & Mathematics
140804-Transportation and Highway Engineering.	15-Science, Technology, Engineering & Mathematics
140805-Water Resources Engineering.	15-Science, Technology, Engineering & Mathematics
140899-Civil Engineering, Other.	15-Science, Technology, Engineering & Mathematics
140901-Computer Engineering, General.	11-Information Technology
140902-Computer Hardware Engineering.	11-Information Technology
140902-Computer Hardware Engineering.	15-Science, Technology, Engineering & Mathematics
140903-Computer Software Engineering.	11-Information Technology
140999-Computer Engineering, Other.	11-Information Technology
141001-Electrical and Electronics Engineering.	15-Science, Technology, Engineering & Mathematics
141003-Laser and Optical Engineering.	15-Science, Technology, Engineering & Mathematics
141004-Telecommunications Engineering.	15-Science, Technology, Engineering & Mathematics
141099-Electrical, Electronics and Communications Engineering, Other.	15-Science, Technology, Engineering & Mathematics
141101-Engineering Mechanics.	15-Science, Technology, Engineering & Mathematics
141201-Engineering Physics/Applied Physics.	15-Science, Technology, Engineering & Mathematics
141301-Engineering Science.	15-Science, Technology, Engineering & Mathematics
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
141401-Environmental/Environmental Health Engineering.	15-Science, Technology, Engineering & Mathematics
141801-Materials Engineering.	15-Science, Technology, Engineering & Mathematics
141901-Mechanical Engineering.	15-Science, Technology, Engineering & Mathematics
142001-Metallurgical Engineering.	15-Science, Technology, Engineering & Mathematics
142101-Mining and Mineral Engineering.	15-Science, Technology, Engineering & Mathematics
142201-Naval Architecture and Marine Engineering.	15-Science, Technology, Engineering & Mathematics
142301-Nuclear Engineering.	15-Science, Technology, Engineering & Mathematics
142401-Ocean Engineering.	15-Science, Technology, Engineering & Mathematics
142501-Petroleum Engineering.	15-Science, Technology, Engineering & Mathematics
142701-Systems Engineering.	15-Science, Technology, Engineering & Mathematics
142801-Textile Sciences and Engineering.	15-Science, Technology, Engineering & Mathematics
143201-Polymer/Plastics Engineering.	15-Science, Technology, Engineering & Mathematics
143301-Construction Engineering.	15-Science, Technology, Engineering & Mathematics
143501-Industrial Engineering.	15-Science, Technology, Engineering & Mathematics
143601-Manufacturing Engineering.	15-Science, Technology, Engineering & Mathematics
143801-Surveying Engineering.	15-Science, Technology, Engineering & Mathematics
143901-Geological/Geophysical Engineering.	15-Science, Technology, Engineering & Mathematics
144001-Paper Science and Engineering.	15-Science, Technology, Engineering & Mathematics
144101-Electromechanical Engineering.	15-Science, Technology, Engineering & Mathematics
144201-Mechatronics, Robotics, and Automation Engineering.	15-Science, Technology, Engineering & Mathematics
144301-Biochemical Engineering.	15-Science, Technology, Engineering & Mathematics
144401-Engineering Chemistry.	15-Science, Technology, Engineering & Mathematics
144501-Biological/Biosystems Engineering.	15-Science, Technology, Engineering & Mathematics
144701-Electrical and Computer Engineering.	15-Science, Technology, Engineering & Mathematics
144800-Energy Systems Engineering.	15-Science, Technology, Engineering & Mathematics
144801-Energy Systems Engineering, General.	15-Science, Technology, Engineering & Mathematics
144802-Power Plant Engineering.	15-Science, Technology, Engineering & Mathematics
144899-Energy Systems Engineering, Other.	15-Science, Technology, Engineering & Mathematics
149999-Engineering, Other.	15-Science, Technology, Engineering & Mathematics
150000-Engineering Technology, General.	15-Science, Technology, Engineering & Mathematics
150001-Applied Engineering Technologies/Technicians.	15-Science, Technology, Engineering & Mathematics
150101-Architectural Engineering Technology/Technician.	2-Architecture & Construction
150201-Civil Engineering Technology/Technician.	2-Architecture & Construction
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

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Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
150303-Electrical, Electronic and Communications Engineering Technology/Technician.	13-Manufacturing
150304-Laser and Optical Technology/Technician.	13-Manufacturing
150305-Telecommunications Technology/Technician.	13-Manufacturing
150306-Integrated Circuit Design.	15-Science, Technology, Engineering & Mathematics
150307-Audio Engineering Technology/Technician.	15-Science, Technology, Engineering & Mathematics
150399-Electrical and Electronic Engineering Technologies/Technicians, Other.	13-Manufacturing
150401-Biomedical Technology/Technician.	13-Manufacturing
150403-Electromechanical Technology/Electromechanical Engineering Technology.	13-Manufacturing
150404-Instrumentation Technology/Technician.	13-Manufacturing
150405-Robotics Technology/Technician.	13-Manufacturing
150406-Automation Engineer Technology/Technician.	15-Science, Technology, Engineering & Mathematics
150407-Mechatronics, Robotics, and Automation Engineering Technology/Technician.	15-Science, Technology, Engineering & Mathematics
150499-Electromechanical and Instrumentation and Maintenance Technologies/Technicians, Other.	13-Manufacturing
150501-Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician.	13-Manufacturing
150506-Water Quality and Wastewater Treatment Management and Recycling Technology/Technician.	1-Agriculture, Food & Natural Resources
150507-Environmental Engineering Technology/Environmental Technology.	1-Agriculture, Food & Natural Resources
150508-Hazardous Materials Management and Waste Technology/Technician.	1-Agriculture, Food & Natural Resources
150599-Environmental Control Technologies/Technicians, Other.	1-Agriculture, Food & Natural Resources
150607-Plastics and Polymer Engineering Technology/Technician.	13-Manufacturing
150611-Metallurgical Technology/Technician.	13-Manufacturing
150612-Industrial Technology/Technician.	13-Manufacturing
150613-Manufacturing Engineering Technology/Technician.	13-Manufacturing
150614-Welding Engineering Technology/Technician.	15-Science, Technology, Engineering & Mathematics
150615-Chemical Engineering Technology/Technician.	15-Science, Technology, Engineering & Mathematics
150616-Semiconductor Manufacturing Technology.	15-Science, Technology, Engineering & Mathematics
150617-Composite Materials Technology/Technician.	15-Science, Technology, Engineering & Mathematics
150699-Industrial Production Technologies/Technicians, Other.	13-Manufacturing
150703-Industrial Safety Technology/Technician.	13-Manufacturing
150704-Hazardous Materials Information Systems Technology/Technician.	15-Science, Technology, Engineering & Mathematics
150705-Process Safety Technology/Technician.	15-Science, Technology, Engineering & Mathematics
150801-Aeronautical/Aerospace Engineering Technology/Technician.	13-Manufacturing
150803-Automotive Engineering Technology/Technician.	16-Transportation, Distribution & Logistics
150805-Mechanical Engineering/Mechanical Technology/Technician.	13-Manufacturing
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
150806-Marine Engineering Technology/Technician.	15-Science, Technology, Engineering & Mathematics
150807-Motorsports Engineering Technology/Technician.	15-Science, Technology, Engineering & Mathematics
150899-Mechanical Engineering Related Technologies/Technicians, Other.	13-Manufacturing
150901-Mining Technology/Technician.	1-Agriculture, Food & Natural Resources
150903-Petroleum Technology/Technician.	1-Agriculture, Food & Natural Resources
151001-Construction Engineering Technology/Technician.	2-Architecture & Construction
151102-Surveying Technology/Surveying.	15-Science, Technology, Engineering & Mathematics
151103-Hydraulics and Fluid Power Technology/Technician.	13-Manufacturing
151201-Computer Engineering Technology/Technician.	13-Manufacturing
151202-Computer Technology/Computer Systems Technology.	13-Manufacturing
151203-Computer Hardware Technology/Technician.	13-Manufacturing
151204-Computer Software Technology/Technician.	13-Manufacturing
151299-Computer Engineering Technologies/Technicians, Other.	13-Manufacturing
151301-Drafting and Design Technology/Technician, General.	13-Manufacturing
151302-CAD/CADD Drafting and/or Design Technology/Technician.	13-Manufacturing
151303-Architectural Drafting and Architectural CAD/CADD.	2-Architecture & Construction
151304-Civil Drafting and Civil Engineering CAD/CADD.	2-Architecture & Construction
151305-Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD.	2-Architecture & Construction
151306-Mechanical Drafting and Mechanical Drafting CAD/CADD.	2-Architecture & Construction
151307-3-D Modeling and Design Technology/Technician.	15-Science, Technology, Engineering & Mathematics
151399-Drafting/Design Engineering Technologies/Technicians, Other.	2-Architecture & Construction
151401-Nuclear Engineering Technology/Technician.	13-Manufacturing
151501-Engineering/Industrial Management.	15-Science, Technology, Engineering & Mathematics
151502-Engineering Design.	15-Science, Technology, Engineering & Mathematics
151503-Packaging Science.	15-Science, Technology, Engineering & Mathematics
151601-Nanotechnology.	15-Science, Technology, Engineering & Mathematics
151701-Energy Systems Technology/Technician.	15-Science, Technology, Engineering & Mathematics
151702-Power Plant Technology/Technician.	15-Science, Technology, Engineering & Mathematics
151703-Solar Energy Technology/Technician.	15-Science, Technology, Engineering & Mathematics
151704-Wind Energy Technology/Technician.	15-Science, Technology, Engineering & Mathematics
151705-Hydroelectric Energy Technology/Technician.	15-Science, Technology, Engineering & Mathematics
151706-Geothermal Energy Technology/Technician.	15-Science, Technology, Engineering & Mathematics
151799-Energy Systems Technologies/Technicians, Other.	15-Science, Technology, Engineering & Mathematics
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
260708-Animal Behavior and Ethology.	15-Science, Technology, Engineering & Mathematics
260709-Wildlife Biology.	15-Science, Technology, Engineering & Mathematics
261006-Environmental Toxicology.	15-Science, Technology, Engineering & Mathematics
261103-Bioinformatics.	8-Health Science
280503-Military Operational Art and Science/Studies.	7-Government & Public Adminstration
280504-Advanced Military and Operational Studies.	7-Government & Public Adminstration
280505-Naval Science and Operational Studies.	7-Government & Public Adminstration
280506-Special, Irregular and Counterterrorist Operations.	7-Government & Public Adminstration
280599-Military Science and Operational Studies, Other.	7-Government & Public Adminstration
280601-Strategic Studies, General.	7-Government & Public Adminstration
280602-Military and Strategic Leadership.	7-Government & Public Adminstration
280603-Military and International Operational Law.	7-Government & Public Adminstration
280604-Joint Operations Planning and Strategy.	7-Government & Public Adminstration
280605-Weapons of Mass Destruction.	7-Government & Public Adminstration
280699-National Security Policy and Strategy, Other.	7-Government & Public Adminstration
280701-National Resource Strategy and Policy.	7-Government & Public Adminstration
280702-Industry Studies.	7-Government & Public Adminstration
280703-Military Installation Management.	7-Government & Public Adminstration
280799-Military Economics and Management, Other.	7-Government & Public Adminstration
289999-Military Science, Leadership and Operational Art, Other.	7-Government & Public Adminstration
290101-Military Technologies.	7-Government & Public Adminstration
290201-Intelligence, General.	7-Government & Public Adminstration
290202-Strategic Intelligence.	7-Government & Public Adminstration
290203-Signal/Geospatial Intelligence.	7-Government & Public Adminstration
290204-Command & Control (C3, C4I) Systems and Operations.	7-Government & Public Adminstration
290205-Information Operations/Joint Information Operations.	7-Government & Public Adminstration
290206-Information/Psychological Warfare and Military Media Relations.	7-Government & Public Adminstration
290207-Cyber/Electronic Operations and Warfare.	7-Government & Public Adminstration
290299-Intelligence, Command Control and Information Operations, Other.	7-Government & Public Adminstration
290301-Combat Systems Engineering.	7-Government & Public Adminstration
290302-Directed Energy Systems.	7-Government & Public Adminstration
290303-Engineering Acoustics.	7-Government & Public Adminstration
290306-Operational Oceanography.	7-Government & Public Adminstration
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
290307-Undersea Warfare.	7-Government & Public Adminstration
290401-Aerospace Ground Equipment Technology.	7-Government & Public Adminstration
290402-Air and Space Operations Technology.	7-Government & Public Adminstration
290404-Explosive Ordinance/Bomb Disposal.	7-Government & Public Adminstration
290405-Joint Command/Task Force (C3, C4I) Systems.	7-Government & Public Adminstration
290406-Military Information Systems Technology.	7-Government & Public Adminstration
290407-Missile and Space Systems Technology.	7-Government & Public Adminstration
290408-Munitions Systems/Ordinance Technology.	7-Government & Public Adminstration
290409-Radar Communications and Systems Technology.	7-Government & Public Adminstration
300801-Mathematics and Computer Science.	15-Science, Technology, Engineering & Mathematics
301601-Accounting and Computer Science.	6-Finance
303001-Computational Science.	15-Science, Technology, Engineering & Mathematics
303101-Human Computer Interaction.	15-Science, Technology, Engineering & Mathematics
303401-Anthrozoology.	15-Science, Technology, Engineering & Mathematics
303901-Economics and Computer Science.	15-Science, Technology, Engineering & Mathematics
304801-Linguistics and Computer Science.	15-Science, Technology, Engineering & Mathematics
307001-Data Science, General.	15-Science, Technology, Engineering & Mathematics
307101-Data Analytics, General.	15-Science, Technology, Engineering & Mathematics
307103-Data Visualization.	15-Science, Technology, Engineering & Mathematics
307199-Data Analytics, Other.	15-Science, Technology, Engineering & Mathematics
310302-Golf Course Operation and Grounds Management.	1-Agriculture, Food & Natural Resources
400512-Cheminformatics/Chemistry Informatics.	15-Science, Technology, Engineering & Mathematics
401001-Materials Science.	15-Science, Technology, Engineering & Mathematics
401101-Physics and Astronomy.	15-Science, Technology, Engineering & Mathematics
410204-Industrial Radiologic Technology/Technician.	13-Manufacturing
410205-Nuclear/Nuclear Power Technology/Technician.	13-Manufacturing
410299-Nuclear and Industrial Radiologic Technologies/Technicians, Other.	13-Manufacturing
410399-Physical Science Technologies/Technicians, Other.	13-Manufacturing
419999-Science Technologies/Technicians, Other.	13-Manufacturing
430100-Criminal Justice and Corrections, General.	12-Law, Public Safety, Corrections & Security
430102-Corrections.	12-Law, Public Safety, Corrections & Security
430103-Criminal Justice/Law Enforcement Administration.	12-Law, Public Safety, Corrections & Security
430104-Criminal Justice/Safety Studies.	12-Law, Public Safety, Corrections & Security
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
430107-Criminal Justice/Police Science.	12-Law, Public Safety, Corrections & Security
430109-Security and Loss Prevention Services.	12-Law, Public Safety, Corrections & Security
430112-Securities Services Administration/Management.	12-Law, Public Safety, Corrections & Security
430114-Law Enforcement Investigation and Interviewing.	12-Law, Public Safety, Corrections & Security
430115-Law Enforcement Record-Keeping and Evidence Management.	12-Law, Public Safety, Corrections & Security
430119-Critical Incident Response/Special Police Operations.	12-Law, Public Safety, Corrections & Security
430120-Protective Services Operations.	12-Law, Public Safety, Corrections & Security
430121-Suspension and Debarment Investigation.	12-Law, Public Safety, Corrections & Security
430122-Maritime Law Enforcement.	12-Law, Public Safety, Corrections & Security
430123-Cultural/Archaelogical Resources Protection.	12-Law, Public Safety, Corrections & Security
430201-Fire Prevention and Safety Technology/Technician.	12-Law, Public Safety, Corrections & Security
430202-Fire Services Administration.	12-Law, Public Safety, Corrections & Security
430203-Fire Science/Fire-fighting.	12-Law, Public Safety, Corrections & Security
430205-Fire/Arson Investigation and Prevention.	12-Law, Public Safety, Corrections & Security
430206-Wildland/Forest Firefighting and Investigation.	12-Law, Public Safety, Corrections & Security
430299-Fire Protection, Other.	12-Law, Public Safety, Corrections & Security
430301-Homeland Security.	12-Law, Public Safety, Corrections & Security
430302-Crisis/Emergency/Disaster Management.	12-Law, Public Safety, Corrections & Security
430303-Critical Infrastructure Protection.	12-Law, Public Safety, Corrections & Security
430304-Terrorism and Counterterrorism Operations.	12-Law, Public Safety, Corrections & Security
430399-Homeland Security, Other.	12-Law, Public Safety, Corrections & Security
430401-Security Science and Technology, General.	12-Law, Public Safety, Corrections & Security
430402-Criminalistics and Criminal Science.	12-Law, Public Safety, Corrections & Security
430403-Cyber/Computer Forensics and Counterterrorism.	12-Law, Public Safety, Corrections & Security
430404-Cybersecurity Defense Strategy/Policy.	12-Law, Public Safety, Corrections & Security
430405-Financial Forensics and Fraud Investigation.	12-Law, Public Safety, Corrections & Security
430407-Geospatial Intelligence.	12-Law, Public Safety, Corrections & Security
430408-Law Enforcement Intelligence Analysis.	12-Law, Public Safety, Corrections & Security
430499-Security Science and Technology, Other.	12-Law, Public Safety, Corrections & Security
440401-Public Administration.	7-Government & Public Adminstration
440402-Public Works Management.	10-Human Services
440403-Transportation and Infrastructure Planning/Studies.	10-Human Services
450701-Geography.	15-Science, Technology, Engineering & Mathematics
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
450702-Geographic Information Science and Cartography.	15-Science, Technology, Engineering & Mathematics
460000-Construction Trades, General.	2-Architecture & Construction
460101-Mason/Masonry.	2-Architecture & Construction
460201-Carpentry/Carpenter.	2-Architecture & Construction
460301-Electrical and Power Transmission Installation/Installer, General.	2-Architecture & Construction
460302-Electrician.	2-Architecture & Construction
460303-Lineworker.	2-Architecture & Construction
460399-Electrical and Power Transmission Installers, Other.	2-Architecture & Construction
460401-Building/Property Maintenance.	2-Architecture & Construction
460402-Concrete Finishing/Concrete Finisher.	2-Architecture & Construction
460403-Building/Home/Construction Inspection/Inspector.	2-Architecture & Construction
460404-Drywall Installation/Drywaller.	2-Architecture & Construction
460406-Glazier.	2-Architecture & Construction
460408-Painting/Painter and Wall Coverer.	2-Architecture & Construction
460410-Roofer.	2-Architecture & Construction
460411-Metal Building Assembly/Assembler.	2-Architecture & Construction
460412-Building/Construction Site Management/Manager.	2-Architecture & Construction
460413-Carpet, Floor, and Tile Worker.	2-Architecture & Construction
460414-Insulator.	2-Architecture & Construction
460415-Building Construction Technology.	2-Architecture & Construction
460502-Pipefitting/Pipefitter and Sprinkler Fitter.	2-Architecture & Construction
460503-Plumbing Technology/Plumber.	2-Architecture & Construction
460504-Well Drilling/Driller.	2-Architecture & Construction
460505-Blasting/Blaster.	2-Architecture & Construction
460599-Plumbing and Related Water Supply Services, Other.	2-Architecture & Construction
470000-Mechanics and Repairers, General.	16-Transportation, Distribution & Logistics
470101-Electrical/Electronics Equipment Installation and Repair, General.	13-Manufacturing
470102-Business Machine Repair.	13-Manufacturing
470103-Communications Systems Installation and Repair Technology/Technician.	3-Arts, Audio/Video Technology & Communications
470104-Computer Installation and Repair Technology/Technician.	13-Manufacturing
470105-Industrial Electronics Technology/Technician.	13-Manufacturing
470106-Appliance Installation and Repair Technology/Technician.	13-Manufacturing
470110-Security System Installation, Repair, and Inspection Technology/Technician.	2-Architecture & Construction
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
470199-Electrical/Electronics Maintenance and Repair Technology, Other.	13-Manufacturing
470201-Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician.	2-Architecture & Construction
470302-Heavy Equipment Maintenance Technology/Technician.	16-Transportation, Distribution & Logistics
470303-Industrial Mechanics and Maintenance Technology.	13-Manufacturing
470402-Gunsmithing/Gunsmith.	13-Manufacturing
470403-Locksmithing and Safe Repair.	13-Manufacturing
470404-Musical Instrument Fabrication and Repair.	13-Manufacturing
470408-Watchmaking and Jewelrymaking.	13-Manufacturing
470409-Parts and Warehousing Operations and Maintenance Technology/Technician.	13-Manufacturing
470499-Precision Systems Maintenance and Repair Technologies, Other.	13-Manufacturing
470600-Vehicle Maintenance and Repair Technologies, General.	16-Transportation, Distribution & Logistics
470603-Autobody/Collision and Repair Technology/Technician.	16-Transportation, Distribution & Logistics
470604-Automobile/Automotive Mechanics Technology/Technician.	16-Transportation, Distribution & Logistics
470605-Diesel Mechanics Technology/Technician.	16-Transportation, Distribution & Logistics
470606-Small Engine Mechanics and Repair Technology/Technician.	16-Transportation, Distribution & Logistics
470607-Airframe Mechanics and Aircraft Maintenance Technology/Technician.	16-Transportation, Distribution & Logistics
470608-Aircraft Powerplant Technology/Technician.	16-Transportation, Distribution & Logistics
470609-Avionics Maintenance Technology/Technician.	16-Transportation, Distribution & Logistics
470610-Bicycle Mechanics and Repair Technology/Technician.	16-Transportation, Distribution & Logistics
470611-Motorcycle Maintenance and Repair Technology/Technician.	16-Transportation, Distribution & Logistics
470612-Vehicle Emissions Inspection and Maintenance Technology/Technician.	16-Transportation, Distribution & Logistics
470613-Medium/Heavy Vehicle and Truck Technology/Technician.	16-Transportation, Distribution & Logistics
470614-Alternative Fuel Vehicle Technology/Technician.	16-Transportation, Distribution & Logistics
470615-Engine Machinist.	16-Transportation, Distribution & Logistics
470616-Marine Maintenance/Fitter and Ship Repair Technology/Technician.	16-Transportation, Distribution & Logistics
470617-High Performance and Custom Engine Technician/Mechanic.	16-Transportation, Distribution & Logistics
470618-Recreation Vehicle (RV) Service Technician.	16-Transportation, Distribution & Logistics
470701-Energy Systems Installation and Repair Technology/Technician.	16-Transportation, Distribution & Logistics
470703-Solar Energy System Installation and Repair Technology/Technician.	16-Transportation, Distribution & Logistics
470704-Wind Energy System Installation and Repair Technology/Technician.	16-Transportation, Distribution & Logistics
470705-Hydroelectric Energy System Installation and Repair Technology/Technician.	16-Transportation, Distribution & Logistics
470706-Geothermal Energy System Installation and Repair Technology/Technician.	16-Transportation, Distribution & Logistics
470799-Energy Systems Installation and Repair Technologies/Technician, Other.	16-Transportation, Distribution & Logistics
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

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Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
480303-Upholstery/Upholsterer.	13-Manufacturing
480304-Shoe, Boot and Leather Repair.	13-Manufacturing
480501-Machine Tool Technology/Machinist.	13-Manufacturing
480503-Machine Shop Technology/Assistant.	13-Manufacturing
480506-Sheet Metal Technology/Sheetworking.	13-Manufacturing
480507-Tool and Die Technology/Technician.	13-Manufacturing
480508-Welding Technology/Welder.	13-Manufacturing
480509-Ironworking/Ironworker.	2-Architecture & Construction
480510-Computer Numerically Controlled (CNC) Machinist Technology/CNC Machinist.	13-Manufacturing
480511-Metal Fabricator.	13-Manufacturing
480599-Precision Metal Working, Other.	13-Manufacturing
480701-Woodworking, General.	13-Manufacturing
480702-Furniture Design and Manufacturing.	13-Manufacturing
480703-Cabinetmaking and Millwork.	13-Manufacturing
480704-Wooden Boatbuilding Technology/Technician.	13-Manufacturing
480799-Woodworking, Other.	13-Manufacturing
480801-Boilermaking/Boilermaker.	2-Architecture & Construction
490101-Aeronautics/Aviation/Aerospace Science and Technology, General.	16-Transportation, Distribution & Logistics
490102-Airline/Commercial/Professional Pilot and Flight Crew.	16-Transportation, Distribution & Logistics
490104-Aviation/Airway Management and Operations.	16-Transportation, Distribution & Logistics
490105-Air Traffic Controller.	16-Transportation, Distribution & Logistics
490108-Flight Instructor.	16-Transportation, Distribution & Logistics
490202-Construction/Heavy Equipment/Earthmoving Equipment Operation.	16-Transportation, Distribution & Logistics
490205-Truck and Bus Driver/Commercial Vehicle Operator and Instructor.	16-Transportation, Distribution & Logistics
490206-Mobile Crane Operation/Operator.	16-Transportation, Distribution & Logistics
490207-Flagging and Traffic Control.	16-Transportation, Distribution & Logistics
490208-Railroad and Railway Transportation.	16-Transportation, Distribution & Logistics
490209-Forklift Operation/Operator.	16-Transportation, Distribution & Logistics
490303-Commercial Fishing.	1-Agriculture, Food & Natural Resources
490304-Diver, Professional and Instructor.	16-Transportation, Distribution & Logistics
490309-Marine Science/Merchant Marine Officer.	16-Transportation, Distribution & Logistics
490399-Marine Transportation, Other.	16-Transportation, Distribution & Logistics
500602-Cinematography and Film/Video Production.	3-Arts, Audio/Video Technology & Communications
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	

Programs Leading to Employment in Nontraditional Fields for Females [1]	
CIP Code - Program Title	**Career Cluster**
500607-Documentary Production.	3-Arts, Audio/Video Technology & Communications
500913-Music Technology.	3-Arts, Audio/Video Technology & Communications
510916-Radiation Protection/Health Physics Technician.	8-Health Science
511203-Podiatric Medicine/Podiatry.	8-Health Science
511506-Clinical Pastoral Counseling/Patient Counseling.	10-Human Services
512006-Clinical and Industrial Drug Development.	8-Health Science
512009-Industrial and Physical Pharmacy and Cosmetic Sciences.	8-Health Science
512312-Assistive/Augmentative Technology and Rehabilitation Engineering.	8-Health Science
512706-Medical Informatics.	8-Health Science
520101-Business/Commerce, General.	4-Business Management & Administration
520201-Business Administration and Management, General.	4-Business Management & Administration
520202-Purchasing, Procurement/Acquisitions and Contracts Management.	4-Business Management & Administration
520203-Logistics, Materials, and Supply Chain Management.	16-Transportation, Distribution & Logistics
520205-Operations Management and Supervision.	4-Business Management & Administration
520209-Transportation/Mobility Management.	16-Transportation, Distribution & Logistics
520216-Science/Technology Management.	4-Business Management & Administration
521201-Management Information Systems, General.	4-Business Management & Administration
521804-Selling Skills and Sales Operations.	14-Marketing
521907-Vehicle and Vehicle Parts and Accessories Marketing Operations.	14-Marketing
522001-Construction Management.	2-Architecture & Construction
522002-Construction Project Management.	4-Business Management & Administration
522099-Construction Management, Other.	4-Business Management & Administration
[1] Source: 2018 BLS Data, 2020 NAPE Nontraditional Crosswalk	